



Date: April 22, 2004

To: Region Assistant State Design Engineer

Thru: Region Project Development Engineer

Subject: OL-3977

SR 118 Rockland Slopes

State Force Work Justification

The Region requests the use of State Force Work to perform seeding operations for the above-mentioned project.

**Description:**

This is a P3 Unstable Slope project to construct a soil nail wall above the rock cut to stabilize the existing talus slope on SR 28, MP 11.83 to MP 11.93.

This project will require seeding in various different locations to reseed the upper access road and to seed disturbed areas in the stockpile site. Most of the areas that will require seeding will not be accessible by a standard hydroseeding machine and would have to be seeded by hand.

**Justification:**

It is anticipated that the contractor will be substantially complete and demobilized prior to the seeding period as defined in Section 8-02.3(5)F of the 2004 Standard Specifications.

If the contractor or their subcontractor were to perform the seeding operation, the cost of remobilization, layout, inspection, and documentation based on the unit bid history would be approximately \$8,000.00 which is four times the cost for the State Forces to do the work. State forces can also be readily available to seed the required areas when the weather is the most conducive to germination.

Due to the minor amount and location of seeding areas and reasons stated above, the Region requests the use of State Force Work to perform the seeding operations for this project.

Following is an estimate for the work:

~ Application rate of 30 lbs/acre

4 acres X 30 lbs/acre = 120 lbs seed

120 lbs X \$8.18/lb = \$981.60

~ Application:

TE2: 10 hrs X \$36.03/hr = \$360.30

2 each TT3: 2 X 10 hrs/each X \$32.99/hr = \$659.80

~ Total: \$981.60 (seed) + \$1020.10 (labor)= \$2001.70 (Use \$2000.00)

Benefits:

The use of State Force Work to perform the above mentioned work would result in a cost and timesavings for the traveling public.

GL/lb

cc: file

Approved \_\_\_\_\_

Date \_\_\_\_\_